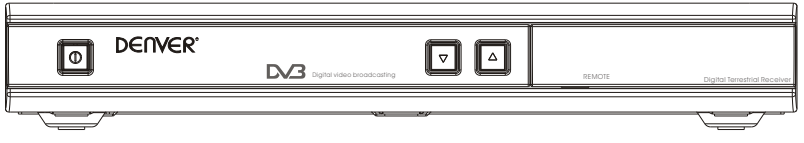
DENVER®

Digital Set Top Box

Operating Manual

DVBT-11



CE

DVB-T PLAYER

Before connecting, operating or adjusting this product, please read this user's manual carefully and completely.

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Safety Precautions

- Always read the safety instructions carefully
- Keep this User's Manual for future reference
- Keep this equipment away from humidity
- Lay this equipment on a reliable flat surface before setting it up.
- Do not stand it on soft furnishings.
- If any of the following situation arises, get the equipment checked by a service technician:
  1.The equipment has been exposed to moisture.
  2.The equipment has been dropped and damaged.
  3.The equipment has obvious sign of breakage.
  4.The equipment has not been working well or you cannot get it work according to User s Manual.

Warning

- To prevent the risk of electric shock, do not open the cover or the back of the receiver.
- Do not block the ventilation holes of the device. Leave appropriate gap above and around it to allow for adequate ventilation.
- Do not place the device in an unventilated cabinet or on top of a unit which emits heat.

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Introduction

This DVB-T player is a Free-To-Air digital terrestrial receiver, allowing you to access free-to-air digital terrestrial TV channels and radio broadcasts. Its digital reception covers VHF & UHF band. Compared with the analog TV programs, digital TV programs eliminate the noise and interference but offer high quality video and audio. An on-screen initial installation guide is provided so that you can easily start to enjoy watching the programs. In addition, a fully featured remote controller is included that offers you access to every feature with a simple press of a button.

Features

1.Bandwidth of 7/8MHz supported

2.Automatic/manual channel search

3.COFDM demodulator

4.Supports remote control

5.NTSC/PAL converting automatically and manually

6.EPG (Electronic Program Guide) and Teletext function

7.Multiple-language OSD (English, French, German, Italian, Spanish, Portuguese and Dutch)

8.Channel edit, moving and deletion

9.Parental lock control

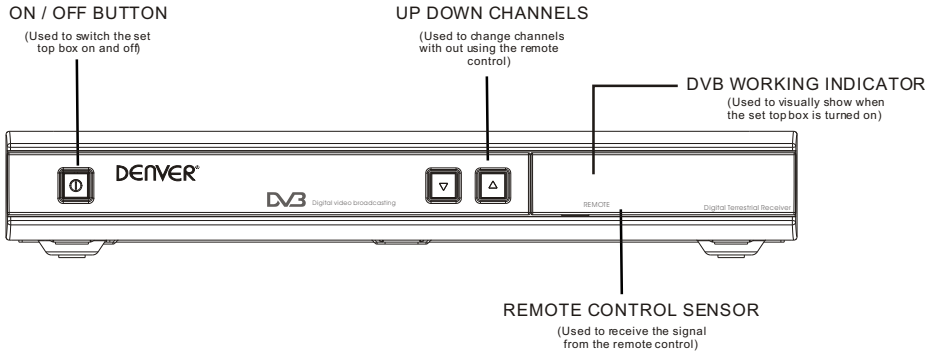
10.SDTV only

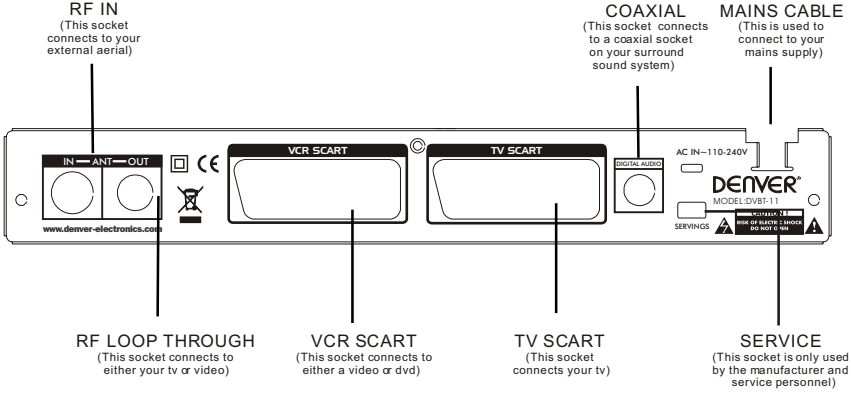
11.Supports subtitle

12.ETSI EN 300744 DVB-T Compliance

Identification of Controls

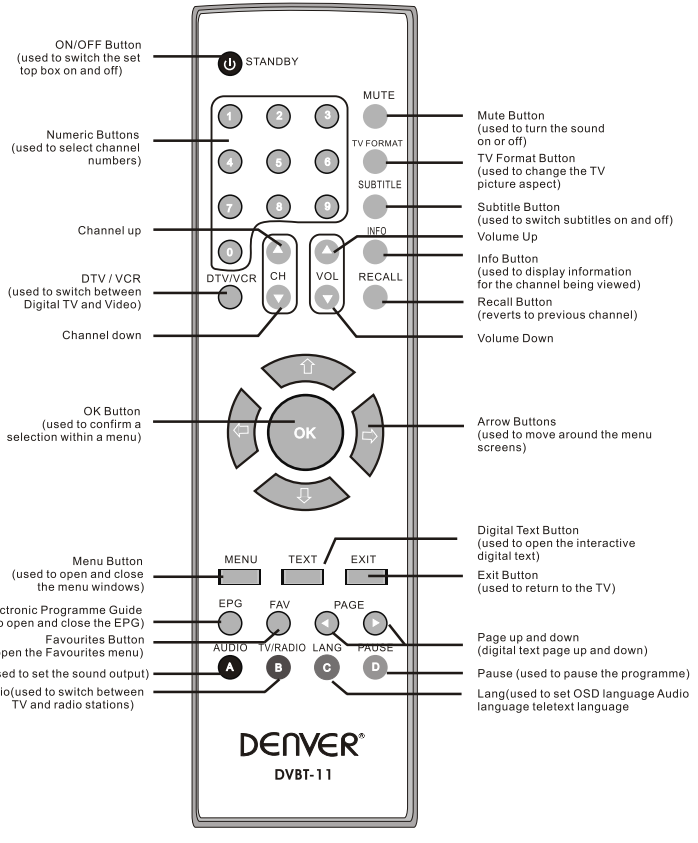
Main Unit


ON / OFF BUTTON
(Used to switch the set top box on and off)
UP DOWN CHANNELS
(Used to change channels with out using the remote control)
DVB WORKING INDICATOR
(Used to visually show when the set top box is turned on)
DENVER
DVB Digital video broadcasting
REMOTE
Digital Terrestrial Receiver
REMOTE CONTROL SENSOR
(Used to receive the signal from the remote control)

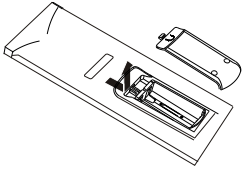


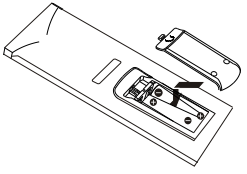
Indentification of Controls

Remote control unit



Insert the battery





- Refer to the drawing, take the back cover of the remote control off and remove the empty battery receptacle.
- Prior to shipping, a separating film was applied to the battery. Remove this film.
- Insert the battery into the receptacle and insert the receptacle into the remote.
- For the best results, aim the remote towards at the player, receiving window. Stay within 15 feet and angles of 60 degrees or less.
- Under normal use the battery will last for one year.
- Remove battery during storage or when you are not using the DVD player for a long time.

First Time Installation

No channels are stored in your unit. A First Time Installation Wizard will appear automatically on the screen. Continue with the OSD (On-Screen-Display) to do the following setting.

1 A First Time Installation Wizard appears. Press OK to select YES .

2 Press button / button to select the item you wish to set up, and then press button / button to switch to your preferred setting.

3 Press button / button / button / button / button to select NEXT , and then press OK to continue to the next page.

4 To start Auto Search, press OK to select YES .
All the receivable programs (including TV and Music) will be listed respectively on the screen.
This process may take a few minutes to be done.

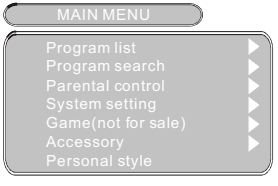
5 After Program Search is done, press CH button / CH button to select and start watching TV programs.

*To return to the MAIN MENU
---Press **EXIT** button.
*To finish the setup operation
---Press **MENU** to exit from Main Menu screen.

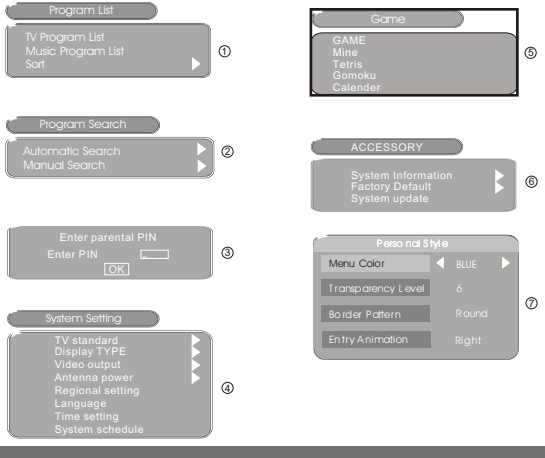
Main Menu

Most of the Settings of your DVB player can be done by following the OSD instructions (*Main Menu). For details on how to set up by using your remote control, please refer to Chapter 5: Remote Control Guide.

In Advance:
Press **MENU** to display the Main Menu.



The following is the overview of the seven settings:



A. Program List

A-1 TV Program Editing
Before editing your TV program, make sure you have finished with program search, which should be done by completing the First Time Installation Wizard. If not, you have to set up your TV programs first. Please refer to Program Search for details.

1 Under Main Menu, press OK to select Program List .
2 Under Program List, press OK to select TV Program List .
3 A Program edit table Window appears. You can use this table to edit your Favorite TV Programs, re-arrange your TV program numbers and delete the TV programs you dislike.

***To return to the MAIN MENU**
---Press EXIT button.
***To finish the setup operation**
---Press **MENU** to exit from Main Menu screen.

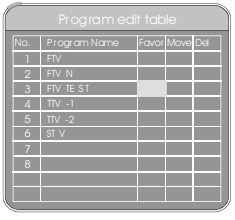
A-2 Music Program Editing
Before editing your music program, make sure you have finished with program search, which should be done by completing the First Time Installation Wizard. If not, you have to set up your TV programs first. Please refer to Program Search for details.

1 Under Main Menu, press OK to select Program List .
2 Under Program List, press OK to select Music Program List .
3 A Program edit table Window appears. You can use this table to edit your Favorite TV Programs, re-arrange your TV program numbers and delete the TV programs you dislike.

***To return to the MAIN MENU**
---Press EXIT button.
***To finish the setup operation**
---Press **MENU** to exit from Main Menu screen.

Program edit table

The following table is present in the TV Program Editing and Music Program Editing menus. You may freely set your favorite program list, switch program numbers, and delete an existing program.



Favorite Program Setting

Step 1. In the Program edit table, press button / button to highlight Favor (Favorite Program) section.

Step 2. Under Favor section, press button / button to highlight the corresponding box of your favorite Program and press OK .You will see a Heart icon appear on this box, representing that this program is added to your Favorite Program list.

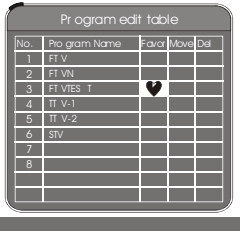
Step 3. Repeat Step 2 to add more favorite TV programs.

In Advance:

a. You can set up your Favorite Program by using remote control.

b. You can press button / button to step through your Favorite Program only after one or more Favorite programs are set up.

***To return to the MAIN MENU**
---Press EXIT button.
***To finish the setup operation**
---Press **MENU** to exit from Main Menu screen.



Switch Program Setting

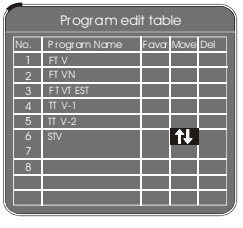
Step 1. In the Program edit table, press button / button to highlight Move section.

Step 2. Under Move section, press button / button to highlight the corresponding program box you wish to change and press OK .

Step 3. Press button / button to highlight the corresponding program box you wish to exchange, and then press OK You will see a Double-Arrows icon appear on this box, representing that 2 program numbers are switched.

Step 4. Repeat Step 2 through Step 3 to switch more programs.

***To return to the the up level MENU**
---Press EXIT button.
***To finish the setup operation**
---Press MENU to exit from Main Menu screen.



Delete Program Setting

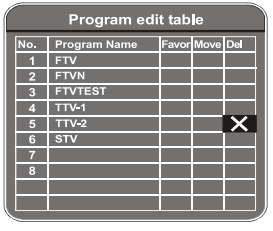
Step 1. In the Program edit table, press button / button to highlight Del (Delete) section.

Step 2. Under Del section, press button / button to highlight the corre sponding program box you wish to delete, and press OK .You will see a Cross icon appear on this box, representing that the program is deleted.

Step 3. Repeat Step 2 to delete more unwanted programs.

In Advance:
Once the programs are deleted, there is no way to add them back. To watch those deleted programs, you will need to do Program Search again. Please note that by doing so, your previous program list will be replaced.

***To return to the up level MENU**
---Press EXIT button.
***To finish the setup operation**
---Press menu to exit from Main Menu screen.



A-3 TV Program List Sorting Setting

You can use this sorting function to re-arrange your program list in three different ways.

1 Under Main Menu, press OK to select Program List .

2 Under Program List, press OK to select Sort .

3 Under Sort, press ⇧ button / ⇩ button to select your preferred sorting: By name , By Service ID or By Channel No. , and then press OK .

***To return to the MAIN MENU**
---Press EXIT button.
***To finish the setup operation**
---Press **MENU** to exit from Main Menu screen.

B. Program Search

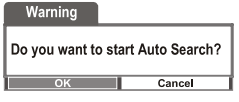
To Enjoy the high quality of digital TV signals through the Set Top Box, you have to search for all the available TV program first. This unit provides you with 2 ways of program search, including Automatic Search and Manual Search.

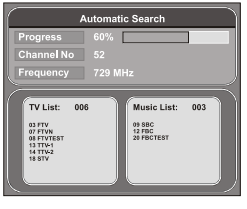
B-1 Automatic Search

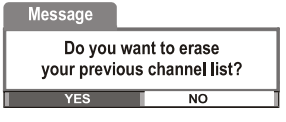
1 Under Main Menu, press ⇩ button and OK to select Program Search .

2 Under Program Search, press OK to select Automatic Search .

3 An Automatic Search window appears on the screen. All the receivable TV/Music programs will be listed respectively in the TV List/Music boxes below. This process may take several minutes to be done.







In Advance:
After Program Search is done, you can start watching TV or listening to Music programs by pressing ▲ CH / ▼ CH .

B. Program Search

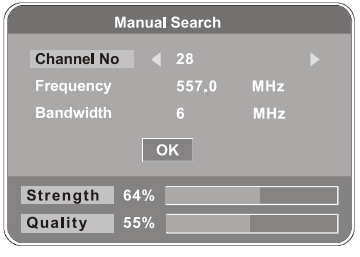
B-2 Manual Search

You can locate specific programs by selecting frequency numbers.

1 Under Main Menu, press button and OK to select Program Search .

2 Under Program Search, press button and OK to select Manual Search .

3 An Manual Search window appears on the screen. Press button / button to select Channel Number , and the corresponding frequency number will show from down below.



4 Press button to highlight OK , and press OK

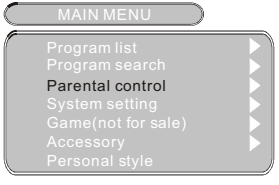
In Advance:

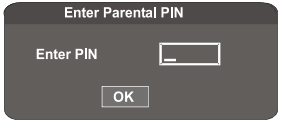
Almost all of the programs are avavilable by Automatic Search.

C Parental Control

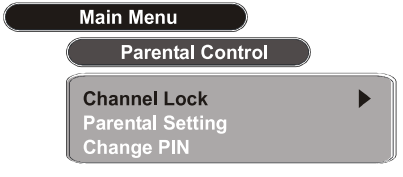
This function allows you to lock the programs that you do not want your children to view. For example, if you set the selected program to be locked, then the program can't be watched unless the correct PIN code is entered.

1 Under Main Menu, press button and OK to select parental control .





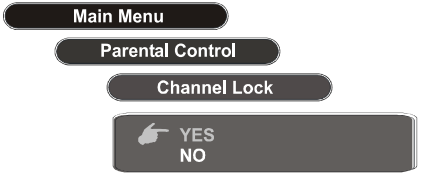
2 Enter the 4-digital Pin number and press OK to enter the Parental Control window.



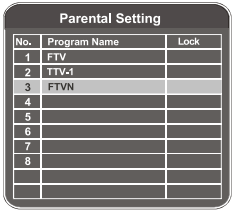
3 Press button / button and OK to select the preferred Parental Control option.

C Parental Control-continued

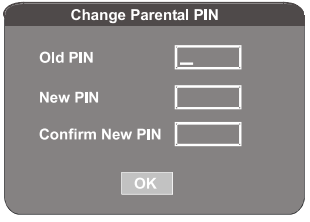
a. Channel Lock
Channel Lock allows the parents to prevent younger members of the family to watch. Any channel can be locked so that it cannot be selected for viewing without a 4-digit PIN code being entered. In this way, any channel not suitable for younger viewers can be protected.
If you want to lock the current channel you are watching, select YES and then press OK to lock the channel.



b. Parental Setting
Step 1. Press button / button to select the preferred program.
Step 2. If you want to lock the selected program, press OK, a lock icon appear on the Lock box. Then the selected program is locked. Press OK again if you want to unlock it.



c. Change PIN
You can change the PIN code.
Step 1. Press the numeric button to enter 4-digit old PIN code.
Step 2. Press the numeric button to enter new PIN code.
Step 2. Re-enter new PIN code to confirm it.



***To return to the MAIN MENU**
---Press EXIT button.
***To finish the setup operation**
---Press **MENU** to exit from Main Menu screen.

In Advance:
The default PIN is 8888. You may change your PIN code soon as you enter this menu. Remember to keep your PIN Code in a secure place.
The super password is 9999.

D. System Setting

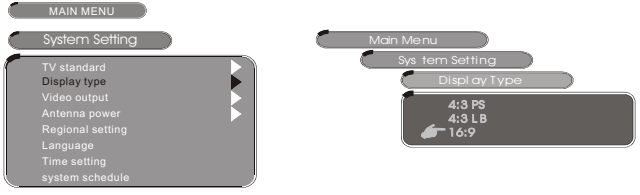
This function allows you to set up the normal aspect ratio (picture display shape) according to source signal and monitor format of your TV, or your own viewing preference.

D-1 TV Standard
This function enables you to set the TV system format.

D-2 Display Type
This function enables you to set the screen format of the TV set connected so that those broadcast programs are displayed correctly.

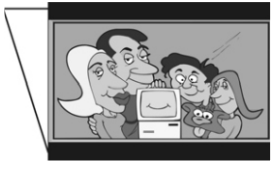
1 Under Main Menu, press button and OK to select System Setting .
2 Under System Setting, press OK to select Display Type .
3 Press button / button and OK to select a preferred TV display.

D. System Setting



a. 4:3 Pan Scan
Select Pan & Scan (4:3) for a conventional size TV set.
*Video material formatted in the pan & scan style is played in that style (the left and right edges are cut off).

b. 4:3 Letter Box
Select 4:3 LB for a conventional size TV set. Black bands appear at top and bottom of screen (letter-box style).
*Video material not formatted in the pan & scan style is played in the letter-box style.



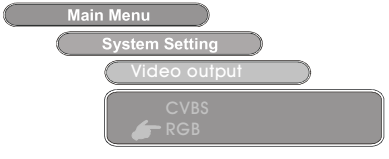
C. 16:9 Wide
Select 16:9 for a wide-screen TV set.
*Played in FULL size.

- Setting the wide-screen TV to FULL mode is also necessary.
- Each screen shows an example when the video material for a wide-screen is played.

***To return to the MAIN MENU**
---Press EXIT button.

***To finish the setup operation**
---Press **MENU** to exit from Main Menu screen.

D-2 VIDEO OUTPUT



This function enables you to set the video output.
1. under main menu, press button and OK to select system setting

2. under system setting, Press OK to select video output .

3. press button / button / OK to set video output.

To return to the MAIN MENU.
---Press EXIT button.

To finish the setup operation
---Press MENU to exit from main menu screen.

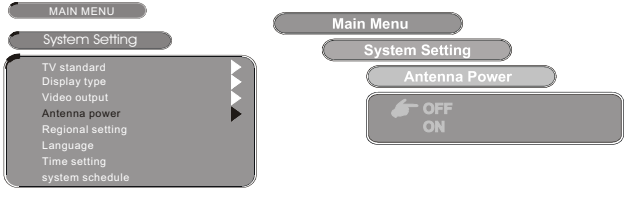
D-3 Antenna Power

If you are using passive Antenna Power, set Antenna Power to OFF ; if you are using active Antenna Power, set Antenna Power to ON .

1 Under Main Menu, press button and OK to select System Setting .

2 Under System Setting, press OK to select Antenna Power .

3 Press button / button/ OK button to initiate antenna power.



***To return to the MAIN MENU**
---Press EXIT button.
***To finish the setup operation**
---Press **MENU** to exit from Main Menu screen.

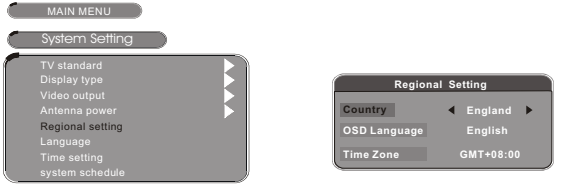
D-4 regional settings

This function allows you to set the time zone of your location and corresponding bandwidth of the digtial signals all at once simply by selecting the country you are currently in.

1 Under Main Menu, press button/ OK button to select System Setting .

2 Under System Setting, press OK button to select Regional setting .

3 Press button / button/ OK button select the country where you re in.



In Advance:
GMT: The current time is set automatically whenever GMT offset changes.

***To return to the MAIN MENU**
---Press EXIT button.
***To finish the setup operation**
---Press **MENU** to exit from Main Menu screen.

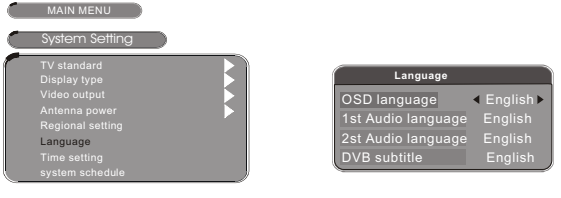
D-5 OSD Language/Audio Language/Teletext language

This function allows you to set the language of your OSD (On-Screen Display) Menu.

1 Under Main Menu, press button/ OK button to select System Setting .

2 Under System Setting, press OK buttonto select OSD Language 1st Audio language 2st audio language DVB subtitle

3 Press button / button and OK to select the preferred OSD language.Audio language / DVB subtitle language.



D-6 OSD Language/Audio Language/Teletext language

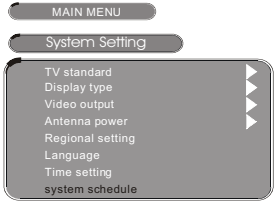
***To return to the MAIN MENU**
---Press EXIT button.
***To finish the setup operation**
---Press **MENU** to exit from Main Menu screen.
In advance: Audio language / DVB subtitle is not avaliable on all channels.

D-7 Time setting

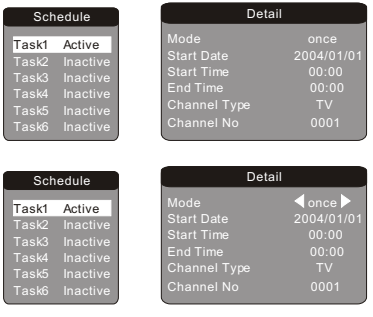
This function allows you setting the time:
1:Under main menu,press button and OK button to select system setting .
2:Under system setting,press OK button to select Time setting
3:You can set time by pressing /numeric button.

D-8 system schedule

You can set power on/off time and program schedule in system schedule:



1:Under main MENU,press button and OK button to select system setting .
2:Under system setting ,press OK button to select system schdule .
3:Press button to select Task.
4:Press button to inactive/active this task.
5:Press OK button to enter in task detail setting.
6:Press button to select setting item.



Press button and use numeric button to set the information.
To return to the main menu
---Press EXIT button.
To finish the setup operation
---Press MENU to exit from main MENU screen.

E. Game

This section provides you bonus games for extra fun and enjoyment.

D-1 Game selecting

1 Under Main Menu, press button and OK button to select Game .

2 Press button/ OK button to select one game to play.

***To return to the MAIN MENU**
---Press EXIT button.

In Advance:
By pressing Game <Game> button, you can enter Game mode.

F. Accessory

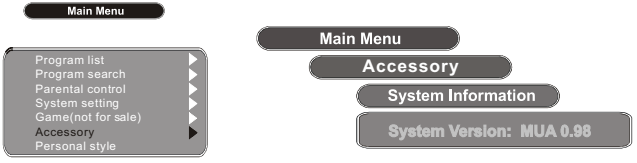
This feature allows you to set extra functions

F1 System Information

This function allows you to view the version number of the system.

1 Under Main Menu, press button and OK button to select Accessory .

2 Under Accessory, press OK button to select System Information .



***To return to the MAIN MENU**
---Press EXIT button.
***To finish the setup operation**
---Press **MENU** to exit from Main Menu screen.

F2 Factory Default

This function allows you to erase the previous/current OSD setting and to restore Factory Default setting.

1 Under Main Menu, press button and OK button to select Accessory .

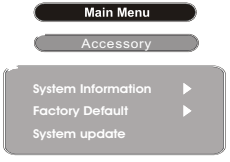
2 Under Accessory , press and OK button to select Factory Default .

3 Press button/ OK button to enter the Factory Default window.

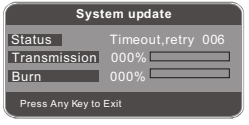
4 Press button and OK button to select YES to go back to Factory Default setting.

***To return to the MAIN MENU**
---Press EXIT button.
***To finish the setup operation**
---Press **MENU** to exit from Main Menu screen.

F3 System update



This function is reserved:



G. Personal Style

This section provides you many additional features to make your OSD setting more personal and stylish.

G-1 Menu Color

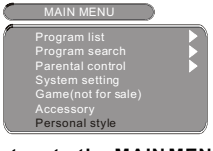
This function allows you to set the colour of your OSD (On-Screen Display) Menu.

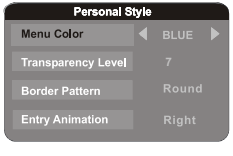
1 Under Main Menu, press button and OK button to select Personal Style .

2 Under Personal Style, press button / to select Menu Color .

3 Press button / button to select the preferred Menu color.

The following is for your selection: blue, red, yellow, orange, green and gray.





***To return to the MAIN MENU**
---Press EXIT button.
***To finish the setup operation**
---Press **MENU** to exit from Main Menu screen.

G-2 Transparency Level

This function allows you to set the level of transparency of your OSD menu frames.

1 Under Main Menu, press button and OK button to select Personal Style .

2 Under Personal Style, press button/ button to select Transparency Level .

3 Press button / button to select the preferred level of transparency from 1 to 8.

***To return to the MAIN MENU**
---Press EXIT button.
***To finish the setup operation**
---Press **MENU** to exit from Main Menu screen.

G-3 Border Pattern

This function allows you to set the border pattern of your OSD (On-Screen Display) Menu frames.

1 Under Main Menu, press button and OK button to select Personal Style .

2 Under Personal Style, press to select Border Pattern .

3 Press button / button to select the preferred border pattern.

G-3 Border Pattern

***To return to the MAIN MENU**
---Press EXIT button.
***To finish the setup operation**
---Press **MENU** to exit from Main Menu screen.

G-4 Entry Animation

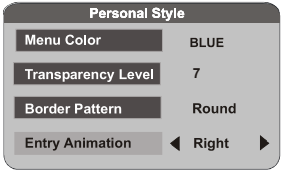
This function allows you to set the entry animation of your Fast Preview OSD menu frame.

1 Under Main Menu, press button and OK button to select Personal Style .

2 Under Personal Style, press button/ button to select Entry Animation .

3 Press button / button to select the preferred entry animation.

The following is for your selection: Right, Down, Right Down, Blind Right and Blind Down.



***To return to the MAIN MENU**
---Press EXIT button.
***To finish the setup operation**
---Press **MENU** to exit from Main Menu screen.

Fast Preview

The DVB-T player provides you fast preview of live broadcasts from each TV channel. You can use this function to take a fast preview at all the TV programs in advance of watching it in full screen.

1 Press OK
A TV Channel Menu appears to the left with corresponding live broadcast of the selected program to the right.

2 Press button / button to toggle each TV channel and to see its live broadcast.

3 Press OK to watch your preferred program in full screen.

In Advance:
The DVB-T player also provide a Channel Guide window of live broadcasts in thumbnail images. For details, please refer to Channel Guide .

To exit from this page
---Press EXIT button.

How to select programs

The *DVB-T player* provides you the following ways to select programs.

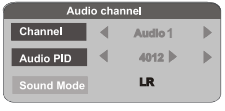
- **Press CH ▲ button / CH ▼ button to step through the porgram selection.**
- **Press numeric button(s) to enter the program number you want to view.**
- **Select program from the program list.**
- **Select program from the Electronic Program Guide (EPG).**

Audio Channel

You can select the preferred audio channel and sound mode.

1 Press (AUDIO) <Audio> , the Audio Channel window appears on the screen.

2 Press button / button to select Channel or Sound Mode .



3 Press button / button to select the preferred audio channel or sound mode.

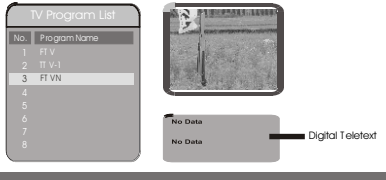
When the Channel option is changed, the value of Audio PID will also change to the correct value.

***To exit from Audio channel**
---Press (AUDIO) <Audio> button again.

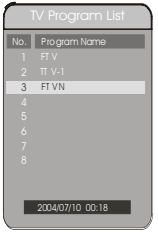
EPG (Electronic Program Guide)

The DVB-T player provides you an Electronic Program Guide to take a fast preview of live broadcasts from each TV channel in advance of watching it in full screen.

1 Press (EPG) <EPG> .
An Electronic Program Guide Menu appears on the screen, with a TV channel menu to the left and corresponding live broadcast of the selected program to the right.



2 Press button to more digital teletext provided by the selected channel.



Press button and EXIT button to return to program list.

In Advance:
The content of digital teletext varies according to the program provider. It could be pictures and sound for the program, pages of information on the programs, the weather, the news or other options.
Some channels provide only digital teletext that carry no normal TV program; if so, you can t see the preview of the channels with EPG function.

3 Press button / button to toggle through each TV channel and to see its live broadcast.

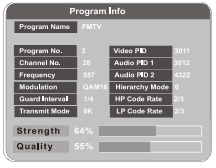
4 Press (OK) to watch your preferred program in full screen.

***To exit from this page**
---Press EXIT button.

Displaying Information of the Program

Press (INFO) <INFO.> during playback, and the corresponding information of the program will appear on the screen.

***To exit from this page**
---Press (INFO) <INFO.> button.



Language setting

Press LANG ,you can set the OSD language / Audio language / DVB subtitle.

PAUSE MODE

You can freeze the picture in TV. Press PAUSE ,again, exit pause status.

Switch TV and VCR

Switch DTV and VCR you can press the DTV/VCR button to switch the DVB output and VCR out.

* Please note: The VCR signal from other set(DVD,VCR,etc.) connected to the VCR SCART in the back panel and only support CVBS signal.

Digital Teletext

If the program you are watching broadcasts digital teletext, the DVB-T player can display teletext. The content of digital teletext varies according to the program provider. It could be pictures and sound for the program, pages of information on the programs, the weather, the news or other options.

Press TEXT <Teletext> button, the teletext window appear on the screen.

Press PAGE button, turn over the teletext information.

***To exit from teletext**
---Press EXIT <EXIT> button to exit from teletext.

Favorite PR (Favorite Program)

There are some channels that you tend to watch more often and some only occasionally. Favorite PR allows the most-watched channels to access more easily, leaving less watched channels acces-sible but out of way.

Press (FAV)
Fav on appears on the screen, and the favorite program is activated; by pressing button / button, you can only step through the favorite programs. Other programs can still be accessed by entering the program number.

***To exit from Favorite Program**
---Press (FAV) button until Fav off appears on the screen.

Music mode

The DVB-T player provides you the convenient function to listen to the digital radio.

1 Press TV/RADIO <TV/Radio> button to switch between TV channel and Music channel.
Wait a few seconds, it will switch from TV mode to Music mode.

***To exit from Music mode**
---Press TV/RADIO **<TV/Radio>** button again.

Technical Specification

Power Supply

Input Voltage	110-240V AC 50Hz.
Power Consumption	Maximum 10W,Standby 5W.

Decoder

Video Formats	SD,4:3/16:9 Switchable.
Audio Format	MPEG Layer I&II,32/44.1/48Khz.
Video Output	CVBS ,RGB(default)

Connection

Main Power Cable	Fixed Type.
Tuner	1 Antenna Input/1 RF Output.
Scart	1 for VCR/1 for TV(Loopthrough).
SPDIF	1 Coaxial.

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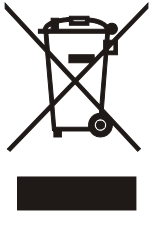
Instructions on environment protection



Do not dispose of this product in the usual household garbage at the end of its lifecycle; hand it over at a collection point for the recycling of electrical and electronic appliances. The symbol on the product, the instructions for use or the packing will inform about the methods for disposal.
The materials are recyclable as mentioned in this marking. By recycling, material recycling or other forms of re-utilization of old appliances, you are making an important contribution to protect our environment.
Please inquire at the community administration for the authorized disposal location.